



## **Stewart Fallon: Selected Publications**

### **2004**

Wyndham, T, McCulloch M.T., Fallon S.J., Alibert C., (in press GCA) High resolution coral records of rare earth elements in coastal seawater: Biogeochemical cycling and a new environmental proxy, *Geochimica et Cosmochimica Acta*

### **2003**

Fallon S.J., Guilderson T.P., Caldeira K., (2003) Carbon Isotope Constraints on Vertical Mixing and Air-Sea CO<sub>2</sub> Exchange: An Example Derived from the Coralline Sponge *Acanthochaetetes Wellsi*, Vanua Lava, Vanuatu, *Geophys. Res. Lett.* ,30 (24 ), 2289.

Fallon S.J., McCulloch M.T., Alibert C., (2003) The Geochemical Record Preserved in *Porites* Corals from the Great Barrier Reef: A Cross Shelf Comparison, *Coral Reefs*, 22 pp 389-404.

McCulloch M.T., Fallon S. J., Wyndham T., Hendy E., Lough J., Barnes D. (2003) Coral record of increased sediment flux to the inner Great Barrier Reef of Australia since European settlement, *Nature*, 421 pp. 727-730.

Alibert C., Kinsley L., Fallon S.J., McCulloch M.T., Birkelmans R., McAllister F. (2003) Source of trace element variability in the Great Barrier Reef corals affected by the Burdekin flood plumes, *Geochimica et Cosmochimica Acta*, 67 (2) pp 231-246.

### **2002**

Fallon S.J., White J. C. and McCulloch M. T. (2002) Trace element (Mn, Zn, Pb, Y, La, Ce) concentrations in *Porites* corals following increased sedimentation, Misima Island, Papua New Guinea. *Geochimica et Cosmochimica Acta*, 60 (1), pp 45-62.

Rohr J., Hyman M., Fallon S.J., Latz M. I., (2002) Bioluminescence flow visualization in the ocean – an initial strategy based on laboratory experiments, *Deep Sea Research I*, 49, pp2009-2033.

### **1999**

Fallon S. J., McCulloch M. T., van Woesik R., and Sinclair D. J. (1999) Corals at their latitudinal limits: Laser ablation trace element systematics in *Porites* from Shirigai Bay, Japan. *Earth and Planetary Science Letters*, 172(3-4), pp. 221-238.

### **1998**

Rohr J., Latz M. I., Fallon S. J., Nauen J. C., and Hendricks E. (1998) Experimental approaches towards interpreting dolphin-stimulated bioluminescence. *Journal of Experimental Biology*, 201, pp. 1447-1460.

### **1997**

Fallon S. J., McCulloch M. T., and Sinclair D. J. (1997) Coral Growth: Trace elements reveal intra-annual variations in growth rate from a *Porites* Coral, Shirigai Bay, Japan. *Proceedings Australian Coral Reef Society Conference, Heron Island*, 91-98.